Stable · Durable · Performance

GF7025-M2 TE
GF7050-M2 SE

Better than ever

CD-IN Connector

*CD-IN-Anschluss
*Connecteur d'entrée CD
*Connettore CD-in
*Conector de entrada de CD
*Conector para entrada de CDs
*Złącze wejścia CD
*Разъём ввода для CD
*CDインコネクタ
CD-IN مينفذ*

1 Left Channel Input
2 Ground
3 Ground
4 Right Channel Input

Front Audio Connector

*Front-Audioanschluss
*Connecteur Audio du panneau avant
*Connettore audio frontale
*Conector de sonido frontal
*Conector de áudio frontal
*Przednie złącze audio
*Входной звуковой разъём
*フロントオーディオコネクタ
مينفذ الصوت الأمامي*

1 Mic Left in
2 Ground
3 Mic Right in
4 GPIO
5 Right line in
6 Jack Sense
7 Front Sense
8 Key
9 Left line in
10 Jack Sense

5.1-Channels HD Audio

*Unterstützt High-Definition Audio / 5.1-Kanal-Audioausgabe
*Prise en charge de l'audio haute définition / Sortie audio à 5.1 voies
*Supporto audio High-Definition (HD) / Uscita audio 5.1 canali
*Soporte de sonido de Alta Definición / Salida de sonido de 5.1 canales
*Suporta a especificação High-Definition Audio / Saída de áudio de 5.1 canais
*Obsługa High-Definition Audio / 5.1 kanałowe wyjście audio
*Звуковая поддержка High-Definition / 5.1канальный звуковой выход
*ハイデフィニションオーディオのサポート / 5.1 チャンネルオーディオアウト
*تدعم تقنية الصوت عالي التعريف من/ 5.1 قنوات لمخرج الصوت

S/PDIF-OUT Connector

*S/PDIF-Ausgangsanschluss
*Connecteur de sortie S/PDIF
*Connettore output SPDIF
*Conector de salida S/PDIF
*Conector de saída S/PDIF
*Złącze wyjścia S/PDIF
*Разъём вывода для S/PDIF
*S/PDIFアウトコネクタ
S/PDIF مينفذ خرج*

1 +5V
2 SPDIF_OUT
3 Ground

Printer Port Connector

*Druckeranschluss Anschluss
*Connecteur de Port d'imprimante
*Connettore Porta stampante
*Conector Puerto de impresora
*Разъём Порт подключения принтера
*Conector da para impressora
*Złącze Port drukarki
*プリンタポートコネクタ
مينفذ طابعة*

Floppy Disk Drive Connector

*Diskettenlaufwerkanschluss
*Connecteur de disquette
*Connettore floppy
*Conector disco flexible
مينفذ محرك أقراص مرنة*
*Conector da unidade de disquetes
*Złącze napędu dyskietek
*Разъём НГМД
*フロッピーコネクタ

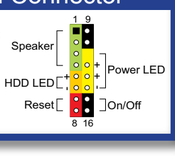
System Fan Header

*System-Lüfter-Sockel
*Embase de ventilateur système
*Collettore ventolina sistema
*Cabecera de ventilador de sistema
*Conector da ventoinha do sistema
*Złącze główkowe wentylatora systemowego
*Контактирующее приспособление вентилятора системы
*システムファンヘッダ
وصلة مروحة النظام*

1 Ground
2 +12V
3 FAN RPM rate sense

Front Panel Connector

*Fronttafelanschluss
*Connecteur du panneau avant
*Connettore pannello frontale
*Conector de panel frontal
*Conector do painel frontal
*Złącze panela przedniego
*Разъём на лицевой панели
*フロントパネルコネクタ
مينفذ اللوحة الأمامية*



Clear CMOS Header

*"CMOS löschen"-Sockel
*Embase d'effacement CMOS
*Collettore cancellazione CMOS
*Cabecera de borrado de CMOS
*Conector para limpeza do CMOS
*Złącze główkowe kasowania CMOS
*Открытое контактирующее приспособление CMOS
*CMOSクリアヘッダ
وصلة مسح CMOS*

Pin 1-2 Close: Normal Operation (default)

Pin 2-3 Close: Clear CMOS data

SATA Connectors

*SATA-Anschluss
*Connecteur SATA
*Connettore SATA
*Conector SATA
*Conector SATA
*Złącze SATA
*Разъём SATA
*SATAコネクタ
SATA مينفذ*

PCI-Express x16 Slot

*PCI Express x16-Steckplatz
*Fente PCI Express x16
*Alloggio PCI Express x16
*Ranura PCI express x16
PCI Express x16فتحة*
*Ranhura PCI Express x16
*Gniazdo PCI Express x16
*Слот PCI Express x16
*PCI Express x16スロット

PCI Slots

*PCI-Steckplatz
*Fente PCI
*Alloggio PCI
*Ranura PCI
*Ranhura PCI
*Gniazdo PCI
*Слот PCI
*PCIスロット
PCI فتحة*

Power Connector (24pin)

*Stromanschluss(24-polig)
*Connecteur d'alimentation (24 broches)
*Connettore alimentazione(24 pin)
*Conector de alimentación (24 patillas)
*Conector de alimentação (24 pinos)
*Złącze zasilania (24 pinowe)
*Разъем питания (24 вывод)
*電源コネクタ(24ピン)
مينفذ توصيل الطاقة(24دبوس)*

USB 2.0 Connectors

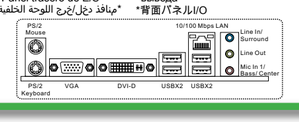
*USB 2.0-Anschluss
*Connecteur USB 2.0
*Connettore USB 2.0
*Conector USB 2.0
*Conector USB 2.0
*Złącze USB 2.0
*USB 2.0-разъём
*USB 2.0コネクタ
USB 2.0مينفذ*

IDE Connector

*IDE-Anschluss
*Connecteur IDE
*Connettore IDE
*Conector IDE
*Conector IDE
*Złącze IDE
*Разъём IDE
*IDEコネクタ
IDEمينفذ*

Back Panel I/O Connectors

*Rückseiten-E/A
*E/S du panneau arrière
*I/O pannello posteriore
*Panel trasero de E/S
مينفذ دخل/خرج اللوحة الخلفية*
*Entradas/Saídas no painel traseiro
*Back Panel I/O
*Задняя панель средств ввода-вывода
*背面パネルI/O



Power Connector (4pin)

*Stromanschluss(4-polig)
*Connecteur d'alimentation(4 broches)
*Connettore alimentazione(4 pin)
*Conector de alimentación(4 patillas)
*Conector de alimentação(4 pinos)
*Złącze zasilania (4 pinowe)
*Разъем питания (4 вывод)
*電源コネクタ(4ピン)
مينفذ توصيل الطاقة(4دبوس)*

1 +12V
2 +12V
3 Ground
4 Ground

Socket AM2 for AMD Sempron / Athlon 64 / Athlon 64 FX / Althlon 64 X2 Processor FSB: Up to 1GHz Bandwidth

*Sockel AM2
AMD Athlon 64/Athlon 64 FX/Athlon 64 x2/Sempron Prozessoren
*Socket AM2
Processeurs AMD Athlon 64/Athlon 64 FX/Athlon 64 x2/Sempron
*Socket AM2
Processori AMD Athlon 64/Athlon 64 FX/Athlon 64 x2/Sempron
*Conector AM2
Procesadores AMD Athlon 64/Athlon 64 FX/Athlon 64 x2/Sempron
*Socket AM2
Processadores AMD Athlon 64/Athlon 64 FX/Athlon 64 x2/Sempron
*Socket AM2
AMD Athlon 64/Athlon 64 FX/Athlon 64 x2/Sempron Procesory
*Гнездо AM2
Процессоры AMD Athlon 64/Athlon 64 FX/Althlon 64 X2/Sempron
معالجات AMD Athlon 64/Athlon 64 FX/Athlon 64 x2/Sempron
مقبس AM2*

NB Chipset : GeForce 7025/NF630a GeForce 7050/NF630a

*NB Chipsatz: GeForce 7025/NF630a GeForce 7050/NF630a
*NB Conjunto de chips: GeForce 7025/NF630a GeForce 7050/NF630a
*Набор микросхем: GeForce 7025/NF630a GeForce 7050/NF630a
*チップセット: GeForce 7025/NF630a GeForce 7050/NF630a
مجموعة الشرائح GeForce 7025/NF630a GeForce 7050/NF630a*

CPU Fan Header

*CPU-Lüfter-Sockel
*Embase de ventilateur UC
*Collettore ventolina CPU
*Cabecera de ventilador de CPU
*Conector da ventoinha da CPU
*Złącze główkowe wentylatora procesora
*Контактирующее приспособление вентилятора центрального процессора
*CPUファンヘッダ
وصلة مروحة وحدة المعالجة المركزية*

1 Ground
2 +12V
3 FAN RPM rate sense
4 Smart Fan Control

DDR2 DIMM Slots Each DIMM supports 256MB/512MB/ 1GB/2GB DDR2 533/667/800

*DDR2 DIMM-Steckplätze
Jeder DIMM unterstützt 256MB/512MB/1GB/2GB DDR2 533/667/800
*Fentes DDR2 DIMM
Chaque DIMM prend en charge des DDR2 533/667/800 de 256Mo/ 512Mo/1Go/2Go
*Alloggi DIMM DDR2
Ciascun DIMM supporta DDR2 533/667/800 256MB/512MB/1GB/2GB
*Ranuras DIMM DDR2
Cada DIMM admite DDR2 533/667/800 de 256MB/512MB/1GB/2GB
*Ranhuras DIMM DDR2
Cada módulo DIMM suporta uma memória DDR2 533/667/800 de 256MB/512MB/1GB/2GB
*Gniazda DDR2 DIMM
Każde gniazdo DIMM obsługuje moduły 256MB/512MB/1GB/2GB DDR2 533/667/800
*Слоты DDR2 DIMM
Каждый модуль DIMM поддерживает 256МБ/512МБ/1ГБ/2ГБ DDR2 533/667/800
*DDR2 DIMMスロット
各DIMMは 256MB/512MB/1GB/2GB DDR2 533/667/800をサポート
فتحة DDR2 DIMM*
سعة DDR2 533/667/800 تدعم أل فتحة DIMM من نوع ذاكرة DDR2 533/667/800 تدعم
ميجا بايت و1g/2 جيجا بايت جيجا 512/ ميجا بايت 256 بايت

The Motherboard Trusted by Media

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PC Magazine · PC Modding · PC Modding · PC Porfessionale

PC Power Play · PC WORLD · PC WORLD · PC WORLD

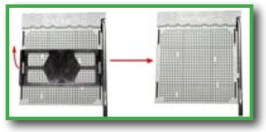
PC WORLD · PC WORLD · TweakTown · 3Ditalia

Step 1:CPU Installation

AM2 CPU Socket

Supports AMD Sempron / Athlon 64 / Athlon 64 FX / Althlon 64 X2 processor
FSB: Supports up to 1GHz Bandwidth

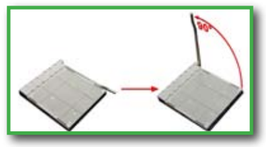
Step 1: Remove the protection cap from the CPU socket and keep the cap well.



ⓘCAUTION

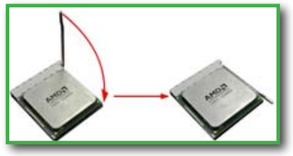
Our RMA policy only accepts the mainboard comes with the cap on the CPU socket, so please keep the protection cap well after installation. We will not be responsible for any damage to the pin-leg of the CPU socket resulting from misplacement/loss/incorrect removal of the protection cap.

Step 2: Pull the socket locking lever out from the socket and then raise the lever up to a 90-degree angle.



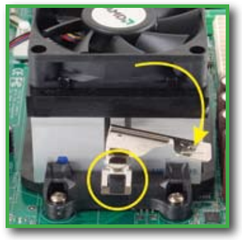
Step 3: Look for the triangular cut edge on socket, and the golden dot on CPU should point forwards this triangular cut edge. The CPU will fit only in the correct orientation.

Step 4: Hold the CPU down firmly, and then lower the lever to locked the position.



Step 5: Place the heatsink and fan assembly onto the retention frame. Match the heatsink clip with the socket mounting-lug. Hook the spring clip to the mounting-lug.

Step 6: On the other side, push the retention clip straight down to lock into the plastic lug on the retention frame, and then press down the locker util it stops.



Note:

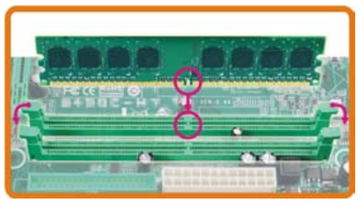
Do not forget to connect the CPU fan connector. For further information, please refer to **Step 3:Power Connection**.

Step 2:Memory Installation

DDR2 DIMM Slot x2

Supports DDR2 533/667/800
Each DIMM supports 256MB / 512MB / 1GB / 2GB DDR2
Max Memory Capicity is 4GB

Step 1: Unlock a DIMM slot by pressing the retaining clips outward. Align a DIMM on the slot such that the notch on the DIMM matches the break on the Slot.



Step 2: Insert the DIMM vertically and firmly into the slot until the retaining chip snap back in place and the DIMM is properly seated.

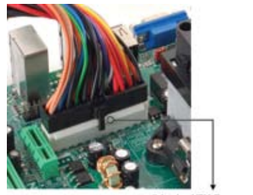
Step 3:Power Connection

CPU Fan Power (JCFAN1)

JCFAN1 supports 4-pin head connector. When connecting with wires onto connectors, please note that the black wire is Ground and should be connected to pin#1(Ground).

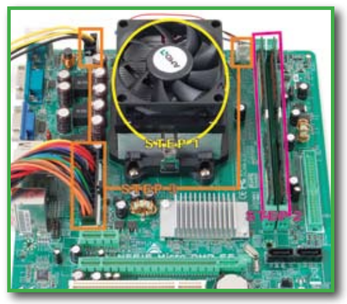
24-pin ATX Power (JATXPWR1)

JATXPWR1 is the main power supply connector located along the edge of the board next to the CPU socket. Firmly plug the power supply cable into the connector and make sure it is secure.



4-pin ATX Power (JATXPWR2)

JATXPWR2, the 4-pin ATX 12V power connection, is used to provide power to the CPU. Align the pins to the connector and press firmly until seated.



Installation Complete

Follow the three steps to finish CPU, memory, and power installation, and the whole motherboard assembly should looks like this picture.

Clear CMOS Header

The Occasion to Clear CMOS

1. Forgot the supervisor/user password preset in the BIOS menu.
2. Unable to boot up the system because the CPU clock was incorrectly set in the BIOS menu.
3. The CMOS data becomes corrupted.

Clear CMOS Header (CMOS1)

Pin 1-2 Close:
Normal Operation (default)

Pin 2-3 Close:
Clear CMOS data

Clear CMOS Procedure

1. Remove AC power line.
2. Set the jumper to “Pin 2-3 close”.
3. Wait for five seconds.
4. Set the jumper to “Pin 1-2 close”.
5. Power on the AC.
6. Reset your desired password or clear the CMOS data.

NOTE: How to Setup Jumpers

The illustration shows how to set up jumpers. When the jumper cap is placed on pins, the jumper is “close”, if not, that means the jumper is “open”.

Pin Opened

Pin Closed

Pin 1-2 Closed

Driver & Manual

After you installed your operating system, please insert the Fully Setup Driver CD into your optical drive and install the driver for better system performance.

You will see following window after you insert the CD.

Click on **Driver** to start the process of driver installation.

The installation program will detect your system to find out the driver needed to be installed.

Click on **Install** and the program will begin to install the proper driver for your system.

When the driver installation completes, there will be a dialogue appears asking you to restart the system. Please click on **YES** to restart your computer.

For more information of the mainboard setup and BIOS setup, please refer to the full version manual in the setup CD.

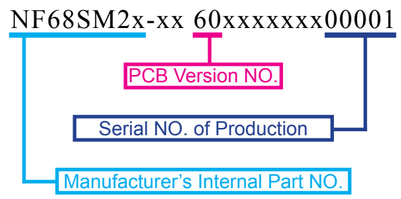
In the Setup CD auto-run program, click on **Manual** and then click on **Mainboard User Manual** or **BIOS User Manual**.

Package Checklist

- ▲ Installation Guide x 1
- ▲ Fully Setup Driver CD x 1 (full version manual files inside)
- ▲ Serial ATA Cable x 1
- ▲ Serial ATA Power Cable x 1 (optional)
- ▲ HDD Cable x 1
- ▲ Rear I/O Panel x 1
- ▲ FDD Cable x 1 (optional)
- ▲ Parallel Printer Cable x1 (optional)

Note: The package contents may differ by area or your motherboard version.

Serial NO. Definition



Q&A of Technical Support

Q: How to get a quick response for my request on technical support?

A: Please carry out a simple troubleshooting before sending “Technical Support Form” on our website.

Q: Is the motherboard dead? Do I need to return it to where I bought from or go through an RMA process?

A: After you had gone through the troubleshooting procedures, yet the problem still exists, or you find an evident damage on the motherboard. Please contact your reseller shop to get the RMA service.

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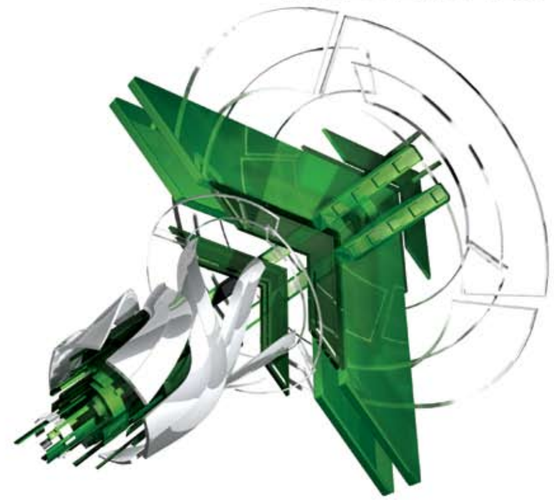
If you do not properly set the motherboard settings, causing the motherboard to malfunction or fail, we cannot guarantee any responsibility.

50-RNF68SM2X-Q-B1

GF7025-M2 TE
GF7050-M2 SE

Quick Installation Guide



Mainboard
For AMD Processor